



STIC Search Report

EIC 1700

STIC Database Tracking Number: 182022

**TO: Helen Pezzuto
Location: REM 10A29
Art Unit : 1713
March 14, 2006**

Case Serial Number: 10776739

**From: Kathleen Fuller
Location: EIC 1700
REMSSEN 4B28
Phone: 571/272-2505
Kathleen.Fuller@uspto.gov**

Search Notes

ONLY 19 COMPOUNDS FROM THE QUERY COVERING ALL CLAIMS STRUCTURES AND 8 CA REFERENCES FROM THE 19 COMPOUNDS. THAT'S ALL THERE IS.

SCIENTIFIC REFERENCE BR
Sci & Tech Inf - Cnt

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Name: HELEN RIZUTO Examiner #: 70058 Date: 3/10/06
Art Unit: 1713 Phone Number: 302-1108 Serial Number: 10/776, 739
Mail Box and Bldg/Room Location: REM-10A29 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: SEE ATTACHED SCIENTIFIC REFERENCE BR
Inventors (please provide full names): ↓ Sci & Tech Inf - Cnt

Pat. & T.M. Office
Earliest Priority Filing Date: 2/11/04

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

- (1) Please search 04/Li containing (meth)acrylate compound in cl. 1. Selective species are expressed in cls 5-6 & 27.
- (2) Please search 3-component polymer derived from monomers defined in cl. 1.
- (3) A "blend" of the polymer with other polymers (cls. 21-23) if time permits
many thanks!

STAFF USE ONLY

Searcher: JK. Fulker
Searcher Phone #: _____
Searcher Location: _____
Date Searcher Picked Up: _____
Date Completed: 3/14/06
Searcher Prep & Review Time: 40
Clerical Prep Time: _____
Online Time: 28

Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) 1
Bibliographic _____
Litigation _____
Fulltext _____
Patent Family _____
Other _____

Vendors and cost where applicable

STN ✓
Dialog _____
Questel/Orbit _____
Dr. Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet _____
Other (specify) _____

=> FILE REG

FILE 'REGISTRY' ENTERED AT 15:14:34 ON 14 MAR 2006
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STRUCTURE FILE UPDATES: 13 MAR 2006 HIGHEST RN 876655-59-3
DICTIONARY FILE UPDATES: 13 MAR 2006 HIGHEST RN 876655-59-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> FILE HCAPL

FILE 'HCAPLUS' ENTERED AT 15:14:39 ON 14 MAR 2006
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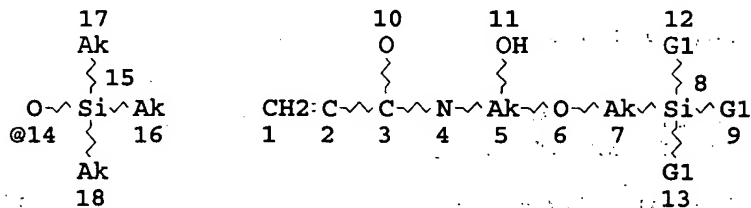
FILE COVERS 1907 - 14 Mar 2006 VOL 144 ISS 12
FILE LAST UPDATED: 13 Mar 2006 (20060313/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> D QUE L7
L3

STR



VAR G1=AK/CB/14
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

L5 19 SEA FILE=REGISTRY SSS FUL L3
L7 8 SEA FILE=HCAPLUS ABB=ON L5

=> D L7 BIB ABS IND HITSTR 1-8

L7 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:735370 HCAPLUS

DN 143:212279

TI (Meth)acrylamide monomers containing hydroxy and silicone functionalities, preparation, and polymers

IN Zanini, Diana; Lin, Xiaoping; Molock, Frank

PA USA

SO U.S. Pat. Appl. Publ., 10 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005176911	A1	20050811	US 2004-776739	20040211
	WO 2005078482	A1	20050825	WO 2005-US4192	20050209
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VZ, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI US 2004-776739 A 20040211

AB The (meth)acrylamide monomers have formula CH₂:CRCONR₁CH₂C(OH)CH₂O(CH₂)₃SiR₂R₃R₄, R = H or Me, R₁ = H, substituted and unsubstituted alkyl groups

19 structures from
this query
covering all claims
structures.

8 CA references from the
19 structures. No
utility is specified

applicants

having 1-8 C atoms, substituted and unsubstituted benzene and toluene groups and MeC(OH)CH₂O(CH₂)₃SiR₂R₃R₄ and R₂-4 = alkyl groups having 1-8 C atoms, substituted and unsubstituted benzene and toluene groups, and -OSiR₅R₆R₇ where R₅, R₆ and R₇ = straight or branched alkyl groups having 1-4 C atoms. Polymers that are clear and useful for contact lens material are also disclosed.

- IC ICM C08G077-00
INCL 528032000; 528033000; 528034000; 528038000
CC 35-2 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 37, 38
ST alkyl silylpropenoxy methacrylamide monomer; hydroxy methacrylamide monomer
IT Contact lenses
((meth)acrylamide monomers containing hydroxy and silicone functionalities for)
IT Polyoxyalkylenes, uses
RL: POF (Polymer in formulation); USES (Uses)
((meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)
IT Polyesters, uses
RL: POF (Polymer in formulation); USES (Uses)
(lactone-based, wetting agent; (meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)
IT Lactones
RL: POF (Polymer in formulation); USES (Uses)
(polymers, wetting agent; (meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)
IT Polyamides, uses
Polyimides, uses
Polysaccharides, uses
RL: POF (Polymer in formulation); USES (Uses)
(wetting agent; (meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)
IT 95773-74-3P 862097-69-6P 862097-70-9P
862097-71-0P 862097-72-1P 862097-73-2P
862097-74-3P 862097-75-4P 862097-76-5P
862097-77-6P 862097-78-7P
RL: IMF (Industrial manufacture); PREP (Preparation)
((meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)
IT 862097-67-4P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
((meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)
IT 106-92-3, Allyl glycidyl ether 920-46-7, Methacryloyl chloride
1873-89-8, Tris(trimethylsiloxy)silane 7422-52-8, (3-Glycidioxypropyl)bis(trimethylsiloxy)methylsilane 7664-41-7, Ammonia, reactions 29681-57-0, tert-Butyldimethylsilane 45469-02-1, Allyloxyoxirane
RL: RCT (Reactant); RACT (Reactant or reagent)
((meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)
IT 862097-66-3P
RL: IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(contact lens material; (meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)
IT 6967-44-8P 862097-68-5P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT

(Reactant or reagent)

(intermediate; (meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)

IT 862097-64-1P 862097-65-2P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(preparation and polymerization; (meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)

IT 9002-89-5, Polyvinyl alcohol 9003-01-4, Polyacrylic acid 9003-39-8,
 Poly-N-vinylpyrrolidone 9005-49-6, Heparin, uses 25189-83-7
 25232-42-2, Polyvinylimidazole 25322-68-3, Polyethylene oxide
 25805-17-8, Poly 2 ethyloxazoline 26587-22-4 26793-34-0,
 Poly-N-N-dimethylacrylamide 107313-86-0 113970-15-3 502507-57-5
 502507-59-7 502507-61-1 502507-63-3

RL: POF (Polymer in formulation); USES (Uses)

(wetting agent; (meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)

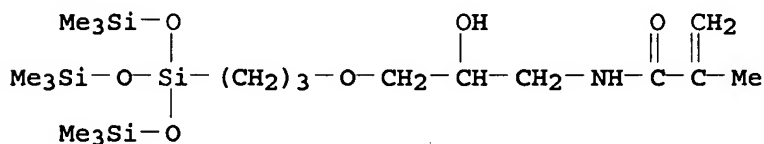
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 862097-72-1P 862097-73-2P 862097-74-3P
 862097-75-4P 862097-76-5P 862097-77-6P
 862097-78-7P

RL: IMF (Industrial manufacture); PREP (Preparation)

((meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)

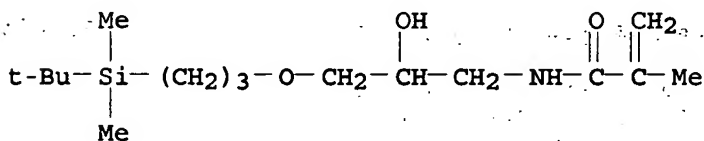
RN 95773-74-3 HCAPLUS

CN 2-Propenamide, N-[2-hydroxy-3-[3-[3,3,3-trimethyl-1,1,1-trimethylsilyl]oxy]disiloxanyl]propoxy]propyl]-2-methyl- (9CI) (CA INDEX NAME)



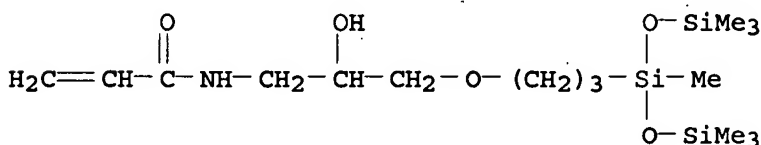
RN 862097-69-6 HCAPLUS

CN 2-Propenamide, N-[3-[3-[(1,1-dimethylethyl)dimethylsilyl]propoxy]-2-hydroxypropyl]-2-methyl- (9CI) (CA INDEX NAME)

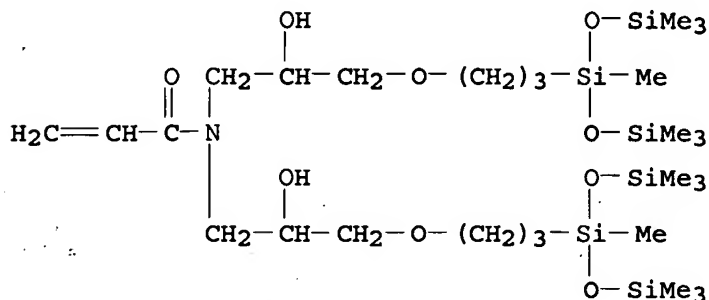


RN 862097-71-0 HCAPLUS

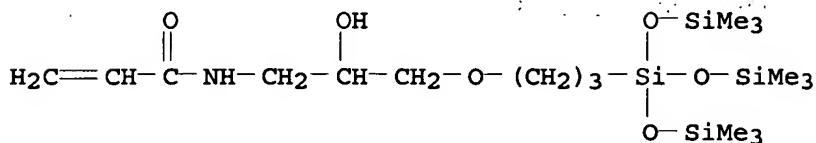
CN 2-Propenamide, N-[2-hydroxy-3-[3-[1,3,3,3-tetramethyl-1,1,1-trimethylsilyl]oxy]disiloxanyl]propoxy]propyl]- (9CI) (CA INDEX NAME)



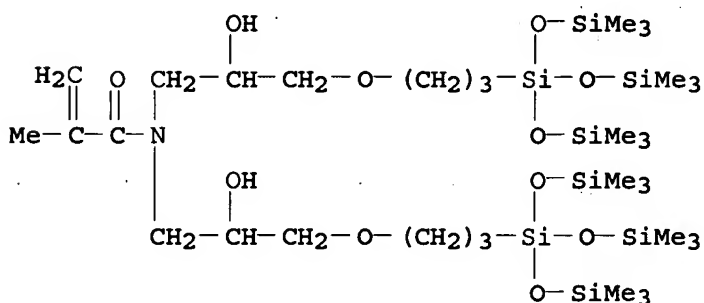
RN 862097-72-1 HCAPLUS

CN 2-Propenamide, N,N-bis[2-hydroxy-3-[3-[1,3,3,3-tetramethyl-1-
[(trimethylsilyl)oxy]disiloxanyl]propoxy]propyl]- (9CI) (CA INDEX NAME)

RN 862097-73-2 HCAPLUS

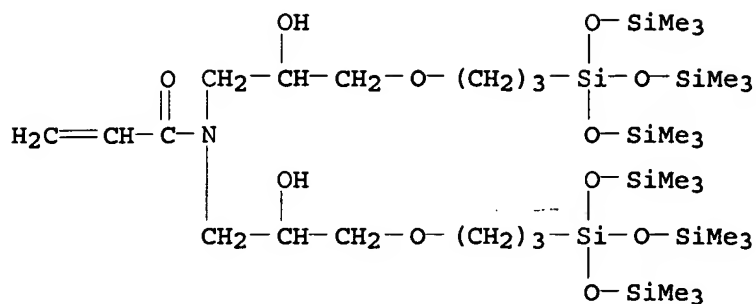
CN 2-Propenamide, N-[2-hydroxy-3-[3-[3,3,3-trimethyl-1,1-
bis[(trimethylsilyl)oxy]disiloxanyl]propoxy]propyl]- (9CI) (CA INDEX
NAME)

RN 862097-74-3 HCAPLUS

CN 2-Propenamide, N,N-bis[2-hydroxy-3-[3-[3,3,3-trimethyl-1,1-
bis[(trimethylsilyl)oxy]disiloxanyl]propoxy]propyl]-2-methyl- (9CI) (CA
INDEX NAME)

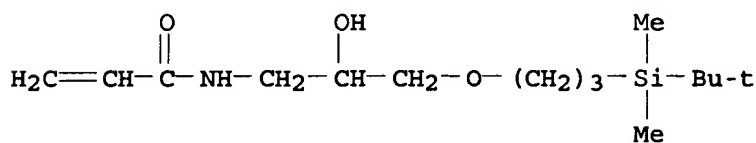
RN 862097-75-4 HCAPLUS

CN 2-Propenamide, N,N-bis[2-hydroxy-3-[3-[3,3,3-trimethyl-1,1-
bis[(trimethylsilyl)oxy]disiloxanyl]propoxy]propyl]- (9CI) (CA INDEX
NAME)



RN 862097-76-5 HCAPLUS

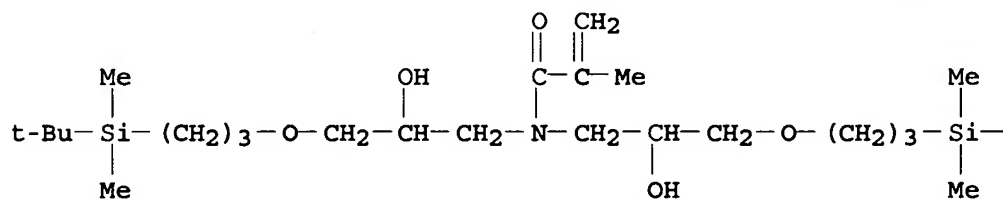
CN 2-Propenamide, N-[3-[3-[(1,1-dimethylethyl)dimethylsilyl]propoxy]-2-hydroxypropyl]- (9CI) (CA INDEX NAME)



RN 862097-77-6 HCAPLUS

CN 2-Propenamide, N,N-bis[3-[3-[(1,1-dimethylethyl)dimethylsilyl]propoxy]-2-hydroxypropyl]-2-methyl- (9CI) (CA INDEX NAME)

PAGE 1-A



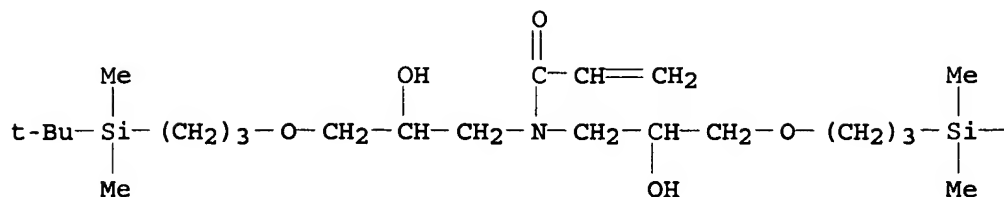
PAGE 1-B

— Bu-t

RN 862097-78-7 HCAPLUS

CN 2-Propenamide, N,N-bis[3-[3-[(1,1-dimethylethyl)dimethylsilyl]propoxy]-2-hydroxypropyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

— Bu-t

IT 862097-66-3P

RL: IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(contact lens material; (meth)acrylamide monomers containing hydroxy and silicone functionalities for polymers for contact lenses)

RN 862097-66-3 HCAPLUS

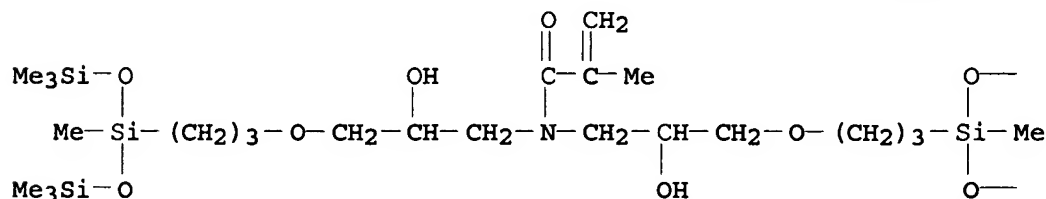
CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with
N,N-bis[2-hydroxy-3-[3-[1,3,3,3-tetramethyl-1-
[(trimethylsilyl)oxy]disiloxanyl]propoxy]propyl]-2-methyl-2-propenamide,
N,N-dimethyl-2-propenamide and 2-hydroxyethyl 2-methyl-2-propenoate (9CI)
(CA INDEX NAME)

CM 1

CRN 862097-65-2

CMF C30 H71 N O9 Si6

PAGE 1-A

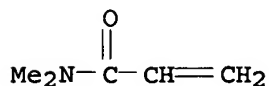


PAGE 1-B

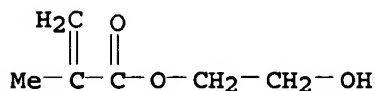
— SiMe₃

— SiMe₃

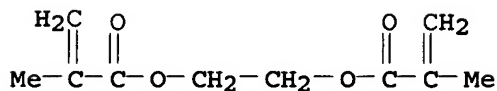
CM 2

CRN 2680-03-7
CMF C5 H9 N O

CM 3

CRN 868-77-9
CMF C6 H10 O3

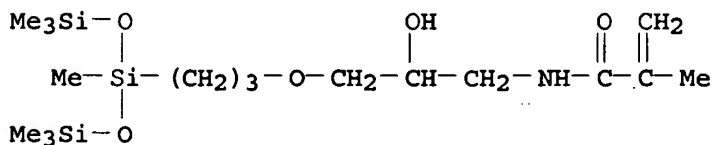
CM 4

CRN 97-90-5
CMF C10 H14 O4

IT 862097-64-1P 862097-65-2P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT
(Reactant or reagent)(preparation and polymerization; (meth)acrylamide monomers containing hydroxy and
silicone functionalities for polymers for contact lenses)

RN 862097-64-1 HCAPLUS

CN 2-Propenamide, N-[2-hydroxy-3-[3-[1,3,3,3-tetramethyl-1-
[(trimethylsilyl)oxy]disiloxanyl]propoxy]propyl]-2-methyl- (9CI) (CA
INDEX NAME)

RN 862097-65-2 HCAPLUS

CN 2-Propenamide, N,N-bis[2-hydroxy-3-[3-[1,3,3,3-tetramethyl-1-
[(trimethylsilyl)oxy]disiloxanyl]propoxy]propyl]-2-methyl- (9CI) (CA
INDEX NAME)

[illegible]

PAGE 1-B

$$-\text{SiMe}_3$$
$$-\text{SiMe}_3$$

AN 1993:193735 HCAPLUS

Correction of: 1992:552887

DN 118:193735

Correction of: 117:152887

TI One-component low-temperature-curable resin compositions

IN Kasa, Toshiaki; Igarashi, Hiroshi; Ozaki, Toru; Adachi, Yoriyuki; Osumi, Motohiro; Matoba, Takao; Kodama, Shunichi; Watanabe, Tadashi

PA Kansai Paint Co., Ltd., Japan

50 Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

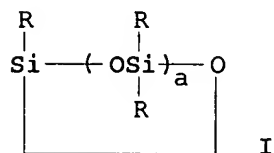
DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04103668	A2	19920406	JP 1990-221624	19900823
JP 2948638	B2	19990913		
JP 1990-221624		19900823		

GI



AB The title comps. for acid-, soiling-, and weather-resistant coatings comprise resins containing hydroxysilyl and/or Si-bonded hydrolyzable group, epoxy, OH, and SiR3 and/or cyclic siloxanyl group I (R = C1-8 alkyl, aryl, aralkyl, OSiR13; R1 = C1-8 alkyl, aryl, aralkyl; a ≥2) and

crosslinking catalysts. Thus, 3,4-epoxycyclohexylmethyl acrylate 30, γ -methacryloyloxypropyltrimethoxysilane 20, 2-hydroxyethyl acrylate 15, $\text{CH}_2:\text{CMeCO}_2\text{C}_3\text{H}_6\text{Si}(\text{OSiMe}_3)_3$ 30, styrene 10, and Bu methacrylate 15 parts were polymerized in PhMe-BuOH in presence of AIBN to give a copolymer, 200 parts of which was blended with tris(propylacetoacetato)aluminum 2, and CR 95 60 parts. A cured coating prepared from the composition showed DuPont impact strength >50 cm and no change when immersed in 40% aqueous H_2SO_4 for 8 h or after 3000-h weathering.

IC ICM C08L101-10
ICS C08L063-00; C08L101-06; C09D201-06; C09D201-10; C09J201-06; C09J201-10

CC 42-10 (Coatings, Inks, and Related Products)

ST acid resistance coating silyl polyacrylate; weatherability coating silyl polyacrylate; antisoiling coating silyl polyacrylate; siloxane polyacrylate coating

IT Siloxanes and Silicones, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(coatings, acid-, soiling-, and weather-resistant)

IT Coating materials
(acid- and weather-resistant, antisoiling, epoxy- and hydroxy- and silyl-containing polymers)

IT 13963-57-0, Tris(acetylacetonato)aluminum 15556-37-3 114055-92-4
RL: CAT (Catalyst use); USES (Uses)
(crosslinking catalysts, for epoxy- and hydroxy- and silyl-containing polymers, antisoiling acid- and weather-resistant coatings from)

IT 97-88-1DP, Butyl methacrylate, polymers with siloxanes 2478-10-6DP, polymers with siloxanes 64630-63-3DP, polymers with siloxanes 131826-38-5DP, reaction products with silyl-containing isocyanates 143090-85-1P 143090-86-2P 143090-88-4P 143111-83-5DP, reaction products with hydroxy-containing polyacrylates 143113-68-2P
RL: PREP (Preparation)
(preparation of, coatings, antisoiling, acid- and weather-resistant)

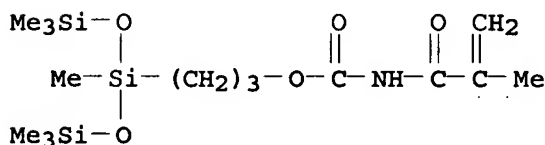
IT 143090-86-2P
RL: PREP (Preparation)
(preparation of, coatings, antisoiling, acid- and weather-resistant)

RN 143090-86-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, butyl ester, polymer with ethenylbenzene, 2-hydroxyethyl 2-propenoate, 7-oxabicyclo[4.1.0]hept-3-ylmethyl 2-propenoate, 3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl (2-methyl-1-oxo-2-propenyl)carbamate and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

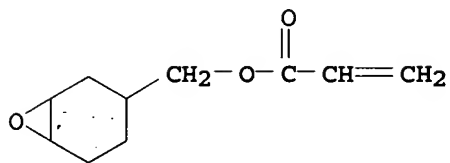
CM 1

CRN 115887-15-5
CMF C15 H33 N O5 Si3



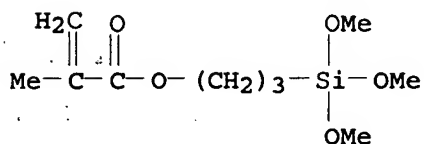
CM 2

CRN 64630-63-3
CMF C10 H14 O3



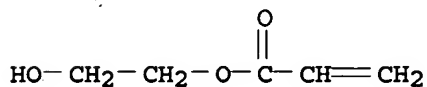
CM 3

CRN 2530-85-0
CMF C10 H20 O5 Si



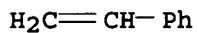
CM 4

CRN 818-61-1
CMF C5 H8 O3



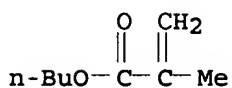
CM 5

CRN 100-42-5
CMF C8 H8



CM 6

CRN 97-88-1
CMF C8 H14 O2



AN 1992:552887 HCAPLUS
DN 117:152887
TI One-component low-temperature-curable resin compositions
IN Kasa, Toshiaki; Igarashi, Hiroshi; Ozaki, Toru; Adachi, Yoriyuki; Osumi, Motohiro; Matoba, Takao; Kodama, Shunichi; Watanabe, Tadashi
PA Kansai Paint K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04103668 A2		19920406	JP 1990-221624	19900823

AB The title compns. for acid-, soiling-, and weather-resistant coatings comprise resins containing hydroxysilyl and/or Si-bonded hydrolyzable group, epoxy, OH, and SiR₃ and/or cyclic siloxanyl group I (R = C1-8 alkyl, aryl, aralkyl, OSiR₁₃; R₁ = C1-8 alkyl, aryl, aralkyl; a ≥ 2) and crosslinking catalysts. Thus, 3,4-epoxycyclohexylmethyl acrylate 30, γ-methacryloxypropyltrimethoxysilane 20, 2-hydroxyethyl acrylate 15, CH₂:CMeCO₂C₃H₆Si(OSiMe₃)₃ 10, styrene 10, and Bu methacrylate 15 parts were polymerized in PhMe-BuOH in presence of AIBN to give a copolymer, 200 parts of which was blended with tris(n-propylacetoacetato)aluminum 2, and CR 95 60 parts to give title composition A coating prepared from the composition by spraying, drying, and curing at 80° showed DuPont impact strength >50 cm and no change when immersed in 40% aqueous H₂SO₄ for 8 h or after 3000-h weathering.

IC ICM C08L101-10
ICS C08L063-00; C08L101-06; C09D201-06; C09D201-10; C09J201-06; C09J201-10

CC 42-10 (Coatings, Inks, and Related Products)
ST acid resistance coating silyl polyacrylate; weatherability coating silyl polyacrylate; antisoiling coating silyl polyacrylate; siloxane polyacrylate coating
IT Coating materials
(acid-resistant, antisoiling, epoxy- and hydroxy- and silyl-containing polymers, with good weatherability)

IT Siloxanes and Silicones, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(coatings, antisoiling, acid-resistant, with good weatherability)

IT 13963-57-0, Tris(acetylacetonato)aluminum 15556-37-3 114055-92-4
RL: CAT (Catalyst use); USES (Uses)
(crosslinking catalysts, for epoxy- and hydroxy- and silyl-containing polymers, antisoiling acid- and weather-resistant coatings from)

IT 97-88-1DP, polymers with siloxanes 2478-10-6DP, polymers with siloxanes 64630-63-3DP, polymers with siloxanes 131826-38-5DP, reaction products with silyl-containing isocyanates 143090-85-1P 143090-86-2P 143090-88-4P 143111-83-5DP, reaction products with hydroxy-containing polyacrylates 143113-68-2P
RL: PREP (Preparation)
(preparation of, coatings, antisoiling, acid-resistant, with good weatherability)

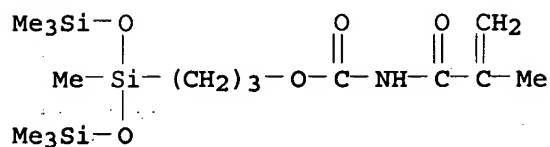
IT 143090-86-2P
RL: PREP (Preparation)
(preparation of, coatings, antisoiling, acid-resistant, with good weatherability)

RN 143090-86-2 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, butyl ester, polymer with ethenylbenzene, 2-hydroxyethyl 2-propenoate, 7-oxabicyclo[4.1.0]hept-3-ylmethyl 2-propenoate, 3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl (2-methyl-1-oxo-2-propenyl)carbamate and 3-(trimethoxysilyl)propyl

2-methyl-2-propenoate (9CI) (CA INDEX NAME)

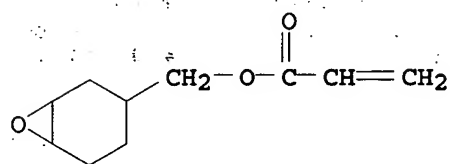
CM 1

CRN 115887-15-5
CMF C15 H33 N O5 Si3



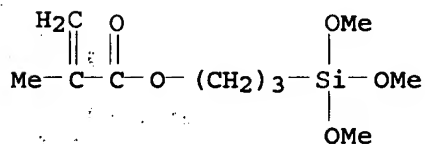
CM 2

CRN 64630-63-3
CMF C10 H14 O3



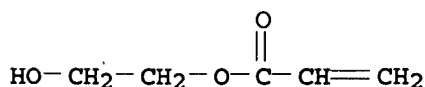
CM 3

CRN 2530-85-0
CMF C10 H20 O5 Si



CM 4

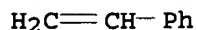
CRN 818-61-1
CMF C5 H8 O3



CM 5

CRN 100-42-5

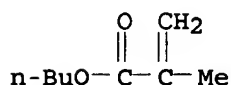
CMF C8 H8



CM 6

CRN 97-88-1

CMF C8 H14 O2



L7 ANSWER 4 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:248002 HCAPLUS

DN 114:248002

TI Vinyl polymer containing silicon and preparation thereof

IN Ohsugi, Hiroharu; Eguchi, Yoshio; Urano, Satoshi; Mizuguchi, Ryuzo

PA Nippon Paint Co., Ltd., Japan

SO U.S., 9 pp. Cont. of U.S. Ser. No. 135,301, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4980442	A	19901225	US 1990-462910	19900110
	CA 1301992	A1	19920526	CA 1987-554860	19871218
PRAI	US 1987-135301	B1	19871221		

GI For diagram(s), see printed CA Issue.

AB A Si-containing vinyl polymer comprise I unit [R2 = -CH2CR3 (ANHXR4-)-, where -ANHXR4- is a pendant portion of the main chain; A = direct bond, -CO2R5-, -CO-, -CONHR6-, (un)substituted phenylene; X = R5; each R6 = alkylene; R3 = H or Me; R4 = (un)substituted alkylene directly bonded to Si; Y = R2, C1-6 alkyl or alkenyl; n = pos. integer ≥2] and ≥1 α,β-ethylenic monomer. Thus, charging xylene 100 and II [prepared from 1,3,5,7-tetramethyl-3,5,7-tripropyl-1-(γ-hydroxypropyl)cyclotetrasiloxane and methacryloyl isocyanate] 40 parts under N, heating to 90°, adding Me methacrylate 100, Bu acrylate 60, and AIBN 3 parts dropwise in 3 h, heating at 90° for 0.5 h, adding dropwise a mixture of tert-Bu 2-ethylperhexanoate 1 and xylene 10 parts, and keeping at 90° for 5 h gave a resinous solution, which was purified by a C6H6-MeOH method to give a polymer having number-average mol. weight 10,000 and weight-average mol. weight 59300.

IC ICM C08G077-04

INCL 528028000

CC 35-4 (Chemistry of Synthetic High Polymers)

ST silicon contg vinyl polymer; acrylate contg silicon polymer; siloxane side chain copolymer

IT Polymerization catalysts

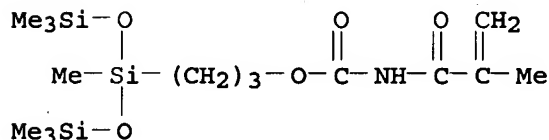
(co-, peroxides, for methacrylates containing oligomeric siloxane side chains)

IT 3006-82-4, tert-Butylperoxy-2-ethylhexanoate

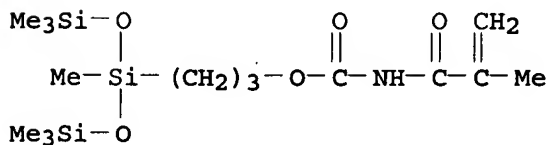
RL: CAT (Catalyst use); USES (Uses)

(catalyst, for polymerization of alkyl (meth)acrylates with methacrylates containing oligomeric siloxane side chains)

- IT 115887-15-5P 116200-10-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and copolymn. of, with ethylenic monomers)
- IT 115887-16-6P
RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation and polymerization of, with isocyanatoethyl methacrylate)
- IT 108065-54-9DP, reaction products with tetramethyltripropyl(hydroxypropyl)cyclotetrasiloxane 115887-14-4DP, reaction products with isocyanate-containing methacrylate copolymers 116695-11-5P 116745-55-2P 124634-55-5P 124634-56-6P
RL: PREP (Preparation)
(preparation of)
- IT 17962-67-3 115887-14-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with methacryloyl isocyanate)
- IT 4474-60-6, Methacryloylisocyanate 30674-80-7, 2-Isocyanato ethyl methacrylate
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with tetramethyltripropyl(hydroxypropyl)cyclotetrasiloxane)
- IT 115887-15-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and copolymn. of, with ethylenic monomers)
- RN 115887-15-5 HCAPLUS
- CN Carbamic acid, (2-methyl-1-oxo-2-propenyl)-, 3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl ester (9CI) (CA INDEX NAME)

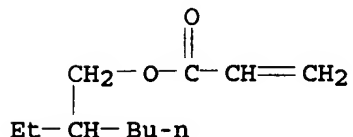


- IT 116695-11-5P
RL: PREP (Preparation)
(preparation of)
- RN 116695-11-5 HCAPLUS
- CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylhexyl 2-propenoate and 3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl (2-methyl-1-oxo-2-propenyl)carbamate (9CI) (CA INDEX NAME)
- CM 1
- CRN 115887-15-5
- CMF C15 H33 N O5 Si3



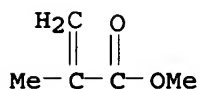
CM 2

CRN 103-11-7
CMF C11 H20 O2



CM 3

CRN 80-62-6
CMF C5 H8 O2



L7 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:36751 HCAPLUS

DN 112:36751

TI Preparation of vinyl polymers containing silicones

IN Ohsugi, Hiroharu; Eguchi, Yoshio; Urano, Satoshi; Mizuguchi, Ryuzo

PA Nippon Paint Co., Ltd., Japan

SO Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 320537	A1	19890621	EP 1987-202584	19871218
	EP 320537	B1	19930804		

R: DE, GB

PRAI EP 1987-202584 19871218

AB Polymers useful in lenses, moldings, coatings, etc. are prepared by polymerizing reaction products of (meth)acrylic isocyanates with Si compds. containing active H. Adding 1,3,5,7-tetramethyl-3,5,7-tripropyl-1-(3-hydroxypropyl)cyclotetrasiloxane in AcOBu dropwise to methacryloyl isocyanate and stirring at room temperature for 3 h and 50°/5 mm for 1 h gave a urethane (I). AIBN-catalyzed polymerization of I 40, Me methacrylate 100, and Bu acrylate 60 parts and crosslinking with a peroxide gave a resin with number-average mol. weight 10,100 and weight-average mol. weight 59,300.

IC ICM C08F008-42

ICS C08F230-08

CC 35-4 (Chemistry of Synthetic High Polymers)

ST cyclosiloxane urethane methacrylate copolymer; acrylate copolymer
cyclosiloxane methacrylate

IT 108065-54-9DP, reaction products with tetramethyltripropyl(hydroxypropyl)cyclotetrasiloxane 116695-11-5P 116745-55-2P 124634-55-5P
124634-56-6P

RL: PREP (Preparation)

(manufacture of crosslinked)

IT 115887-15-5P 115887-16-6P 116200-10-3P
 RL: PREP (Preparation)
 (preparation of)

IT 115887-14-4DP, reaction products with isocyanate-containing acrylate polymers
 RL: PREP (Preparation)
 (preparation of, for molding)

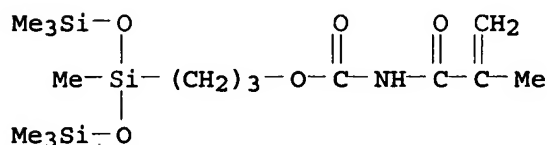
IT 116695-11-5P
 RL: PREP (Preparation)
 (manufacture of crosslinked)

RN 116695-11-5 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylhexyl
 2-propenoate and 3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl
]propyl (2-methyl-1-oxo-2-propenyl)carbamate (9CI) (CA INDEX NAME)

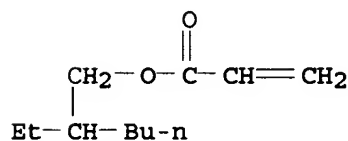
CM 1

CRN 115887-15-5
 CMF C15 H33 N O5 Si3



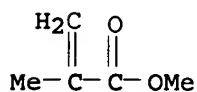
CM 2

CRN 103-11-7
 CMF C11 H20 O2



CM 3

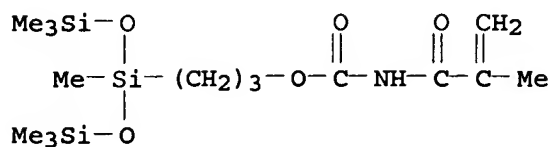
CRN 80-62-6
 CMF C5 H8 O2



IT 115887-15-5P
 RL: PREP (Preparation)
 (preparation of)

RN 115887-15-5 HCAPLUS

CN Carbamic acid, (2-methyl-1-oxo-2-propenyl)-, 3-[1,3,3,3-tetramethyl-1-
 [(trimethylsilyl)oxy]disiloxanyl]propyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 6 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:550262 HCAPLUS

DN 109:150262

TI Silicon-containing vinyl polymers

IN Osugi, Koji; Eguchi, Yoshio; Urano, Satoru; Mizuguchi, Ryuzo

PA Nippon Paint Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63000303	A2	19880105	JP 1986-143826	19860619
	JP 06055796	B4	19940727		
PRAI	JP 1986-143826		19860619		

AB The title polymers were prepared containing ≥ 1 $\text{R}_1\text{mR}_2\text{nSiO}(4-\text{m}-\text{n})/2$ unit ($\text{R}_1 = (\text{un})$ substituted hydrocarbyl; $\text{R}_2 = -\text{CH}_2\text{CR}_3\text{ANHBR}_4-$; $\text{R}_3 = \text{H}, \text{Me}$; $\text{R}_4 =$ alkylene optionally containing Si-bonded substituent or heteroatom; $(\text{m} + \text{n}) = 2-4$; $\text{A} =$ direct bond, $-\text{CO}_2\text{R}_5-$, CO , $-\text{CONHR}_6-$, (un) substituted phenylene; $\text{B} = \text{CO}_2$, CONH ; $\text{R}_5, \text{R}_6 =$ alkylene; when $\text{A} = -\text{CO}_2\text{R}_5-$, $(\text{m} + \text{n}) = 2$). A mixture of 100 parts xylene and 40 parts 1-[3-(methacrylamidocarbonyloxy)propyl]-1,3,5,7-tetramethyl-3,5,7-tripropylcyclotetrasiloxane (I) at 90° under N was treated over 3 h with a mixture of Me methacrylate 100, Bu acrylate 60, and AIBN 3.0 parts, heated at the same temperature for 30 min, treated over 1 h with a mixture of 1 part tert-Bu 2-ethylperhexanoate and 10 parts xylene, and further polymerized at 90° for 5 h to give a polymer (18.4% I) with number-average mol. weight 10,100 and weight-average mol. weight 59,300.

IC ICM C08F030-08

CC 35-4 (Chemistry of Synthetic High Polymers)

ST silicon acrylic polymer

IT Polymerization

(radical, of acrylic compds. and vinylsiloxanes)

IT 115887-15-5P 115887-16-6P 116200-10-3P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(manufacture and polymerization of)

IT 116695-09-1P 116695-10-4P 116695-11-5P 116745-55-2P

RL: PREP (Preparation)

(preparation of)

IT 4474-60-6, Methacryloyl isocyanate 30674-80-7, 2-Isocyanatoethyl methacrylate

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with hydroxy group-containing siloxanes)

IT 17962-67-3 115887-14-4

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with methacryloyl isocyanate)

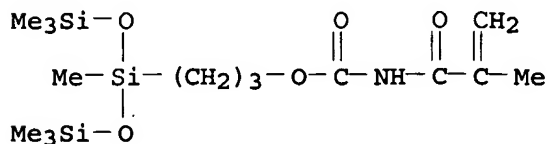
IT 115887-15-5P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(manufacture and polymerization of)

RN 115887-15-5 HCAPLUS

CN Carbamic acid, (2-methyl-1-oxo-2-propenyl)-, 3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl ester (9CI) (CA INDEX NAME)



IT 116695-11-5P

RL: PREP (Preparation)
(preparation of)

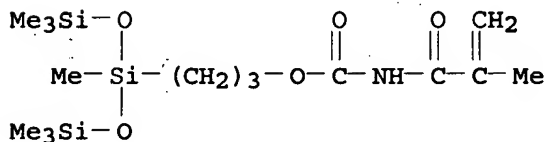
RN 116695-11-5 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-ethylhexyl 2-propenoate and 3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl (2-methyl-1-oxo-2-propenyl)carbamate (9CI) (CA INDEX NAME)

CM 1

CRN 115887-15-5

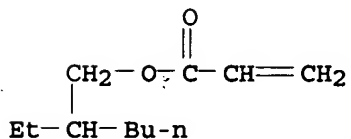
CMF C15 H33 N O5 Si3



CM 2

CRN 103-11-7

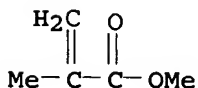
CMF C11 H20 O2



CM 3

CRN 80-62-6

CMF C5 H8 O2



L7 ANSWER 7 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1988:511052 HCAPLUS

DN 109:111052

TI Silicon-containing polymerizable monomers and their manufacture

IN Osugi, Koji; Eguchi, Yoshio; Urano, Satoru; Mizuguchi, Ryuzo; Takarada, Mitsuhiro

PA Nippon Paint Co., Ltd., Japan; Shin-Etsu Chemical Industry Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62298595	A2	19871225	JP 1986-143825	19860619
	JP 06031267	B4	19940427		
	US 4888406	A	19891219	US 1987-135302	19871221
PRAI	JP 1986-143825		19860619		

OS CASREACT 109:111052

AB The monomers $R_1m(CH_2:CR_3ANH_2R_2)nSiO_4-m-n$ (R_1 = hydrocarbyl; R_2 = Si-bonded (hetero)alkylene; $m, n \geq 0, 2 \leq m + n \leq 4$; R_3 = H, Me; $A = CO_2R_4, CO, CONHR_5, Ph$; $Z = CO_2, CONH$; R_4, R_5 = alkylene; when $A = CO_2R_4, m + n = 2$) are prepared by reacting OH-containing organic Si compds. $R_1m(HOR_3)nSiO_4-m-n/2$ with α, β -unsatd. isocyanates $CH_2:CR_3(ANCO)$ or with haloethyl-containing isocyanates $YCH_2CHR_3(ANCO)$ (Y = halogen) and dehydrohalogenating. Thus, dropwise addition of 11 parts methacryloyl isocyanate to a mixture of 60 parts BuOAc and 424 parts 1,3,5,7-tetramethyl-3,5,7-tripropyl-1-(r -hydroxy propyl)cyclotetrasiloxane over 0.5 h, reaction for 3 h, and concentrating at 50° for 1 h gave a transparent compound with n 1.4540 and viscosity 180 cP.

IC ICM C07F007-18

ICA C08G077-26

CC 35-2 (Chemistry of Synthetic High Polymers)

ST acrylic silicone monomer; condensation hydroxy silicone compd

methacryloylisocyanate; haloisocyanate hydroxy silicone compd

condensation; dehydrohalogenation halocarbamatosilicone acrylic silicone manuf

IT Dehydrohalogenation

(of halocarbamato siloxanes, for manufacture of (meth)acrylate siloxanes)

IT Siloxanes and Silicones, preparation

RL: PREP (Preparation)

(acrylate-, preparation of, from hydroxy-containing silicones and (meth)acrylic isocyanates or haloisocyanates)

IT Siloxanes and Silicones, reactions

RL: RCT (Reactant); RACT (Reactant or reagent)

(hydroxy-containing, condensation of, with α, β -unsatd. isocyanates or haloisocyanates)IT 4474-60-6 5843-41-4 24223-95-8, β -Chloropropionyl isocyanate

30674-80-7, 2-Isocyanatoethyl methacrylate

RL: USES (Uses)

(condensation of, with hydroxy-containing organic silicone compds.)

IT 3219-63-4 17962-67-3 115887-14-4

RL: USES (Uses)

(condensation of, with α, β -unsatd. isocyanates)

IT 115887-15-5P 115887-16-6P 115887-17-7P

115887-18-8P 115887-19-9P 116200-10-3P

RL: IMF (Industrial manufacture); PREP (Preparation)

(manufacture of, polymerizable monomers)

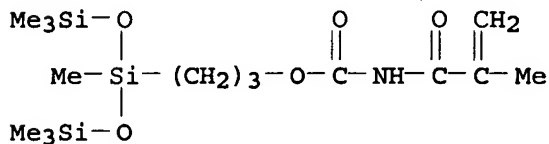
IT 115887-15-5P 115887-17-7P 115887-18-8P

RL: IMF (Industrial manufacture); PREP (Preparation)

(manufacture of, polymerizable monomers)

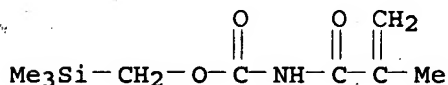
RN 115887-15-5 HCAPLUS

CN Carbamic acid, (2-methyl-1-oxo-2-propenyl)-, 3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl ester (9CI) (CA INDEX NAME)



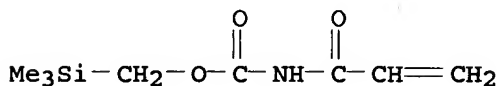
RN 115887-17-7 HCAPLUS

CN Carbamic acid, (2-methyl-1-oxo-2-propenyl)-, (trimethylsilyl)methyl ester (9CI) (CA INDEX NAME)



RN 115887-18-8 HCAPLUS

CN Carbamic acid, (1-oxo-2-propenyl)-, (trimethylsilyl)methyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 8 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1985:150325 HCAPLUS

DN 102:150325

TI A composite polymeric material comprising vinyl chloride and organosilicon moieties

IN Yokota, Tohru; Inoue, Kaname; Kitamura, Hajime; Isobe, Kenichi; Ichinohe, Shoji; Yanagisawa, Takeji

PA Shin-Etsu Chemical Industry Co., Ltd., Japan

SO Eur. Pat. Appl., 38 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 131911	A1	19850123	EP 1984-108166	19840712
	R: BE, DE, FR, GB, NL				
	JP 60020910	A2	19850202	JP 1983-128932	19830715
	JP 03003684	B4	19910121		
	JP 60163908	A2	19850826	JP 1984-20349	19840207
	JP 04004322	B4	19920128		
	NO 8402664	A	19850116	NO 1984-2664	19840702
	NO 166371	B	19910402		
	NO 166371	C	19910710		
	US 4665145	A	19870512	US 1984-627743	19840705
PRAI	JP 1983-128932	A	19830715		

- JP 1984-20349 A 19840207
- AB Vinyl chloride (I)-based composites free of plasticizer bleeding and with high O permeability contain 50-99 parts I moiety and 1-50 parts organosilicon moiety, and are prepared by copolymn. or graft polymerization Thus, 30 kg H₂O, 12.75 kg I, 20 g saponified poly(vinyl alc.), 7.5 g di-2-ethylhexyl peroxydicarbonate, 2.14 kg CH₂:CMeCO₂(CH₂)₃Si(OSiMe₃)₃ (II), and 0.11 kg CH₂:CMeCO₂(CH₂)₃Si(OSiMe₃)₂OSi(OSiMe₃)₂(CH₂)₃O₂CCMe:CH₂ (III) were heated at 52° for 20 h to give I-II-III copolymer [95789-04-1] with 81.2% I. The copolymer (100 parts) containing 10 parts epoxidized soybean oil had O permeability 560 mL-mm/m²-atm-24 h.
- IC ICM C08L027-06
ICS C08F214-06; C08F259-04; C08F275-00
- CC 37-3 (Plastics Manufacture and Processing)
- ST vinyl chloride copolymer oxygen permeable; organosilicon chloroethene copolymer oxygen permeable; silylpropyl methacrylate vinyl chloride copolymer; plasticizer bleeding redn chloroethene copolymer
- IT Siloxanes and Silicones, compounds
RL: USES (Uses)
(polymers with vinyl chloride and vinyl monomers, with high oxygen permeability and low plasticizer bleeding)
- IT 80-62-6D, polymers with organosilicon compds. 108-05-4D, polymers with organosilicon compds. 111-34-2D, polymers with organosilicon compds. and vinyl acetate 95773-59-4 95773-61-8 95773-64-1D, polymers with Me methacrylate and organosilicon compds. 95773-78-7D, polymers with Bu vinyl ether, organosilicon compds., and vinyl acetate 95778-05-5D, polymers with Bu vinyl ether, organosilicon compds., and vinyl acetate 95789-08-5
RL: USES (Uses)
(PVC blends, with high oxygen permeability)
- IT 556-70-7 2554-06-5 2627-95-4 32243-66-6 95778-05-5 95778-06-6
RL: USES (Uses)
(blends with PVC and ethylene-vinyl acetate copolymers, with high oxygen permeability)
- IT 24937-78-8
RL: USES (Uses)
(blends with PVC and organosilicon compds., with high oxygen permeability)
- IT 9002-86-2
RL: USES (Uses)
(blends with organosilicon polymers, with high oxygen permeability)
- IT 5356-84-3D, polymers with ethylhexyl methacrylate, organosiloxanes and vinyl chloride 59094-98-3D, polymers with ethylhexyl methacrylate, organosiloxanes and vinyl chloride 95789-07-4 95832-13-6
RL: USES (Uses)
(graft, with high oxygen permeability)
- IT 95789-03-0P 95832-08-9P
RL: PREP (Preparation)
(manufacture of, with high oxygen permeability)
- IT 75-01-4DP, polymers with organosiloxanes 97-88-1DP, polymers with organosiloxanes and vinyl chloride 105-75-9DP, polymers with organosiloxanes and vinyl chloride 141-05-9DP, polymers with organosiloxanes and vinyl chloride 999-21-3DP, polymers with organosiloxanes and vinyl chloride 17096-07-0DP, polymers with vinyl chloride and organosiloxanes 94289-44-8P 95773-62-9P 95773-63-0P 95773-65-2P 95773-66-3P 95773-68-5P 95773-70-9P 95773-71-0P 95773-73-2P 95773-75-4P 95773-77-6P 95773-79-8P 95773-81-2P 95773-82-3P 95773-84-5P 95773-85-6P 95778-04-4DP, polymers with diallyl maleate, organosiloxanes and vinyl chloride 95789-04-1P 95832-14-7P
RL: PREP (Preparation)

(manufacture of, with high oxygen permeability and low plasticizer bleeding)

IT 7782-44-7, properties

RL: PRP (Properties)

(permeability to, of vinyl chloride polymers containing organosilicon moieties)

IT 117-81-7

RL: MOA (Modifier or additive use); USES (Uses)

(plasticizer, for vinyl chloride-organosilicone methacrylate copolymers, with high oxygen permeability)

IT 95773-75-4P

RL: PREP (Preparation)

(manufacture of, with high oxygen permeability and low plasticizer bleeding)

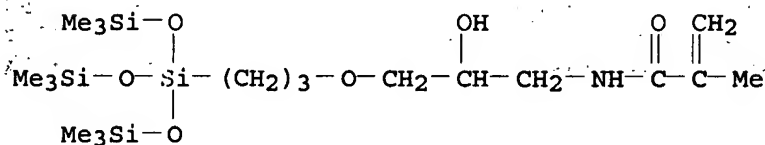
RN 95773-75-4 HCAPLUS

CN 2-Propenamide, N-[2-hydroxy-3-[3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]propoxy]propyl]-2-methyl-, polymer with chloroethene (9CI) (CA INDEX NAME)

CM 1

CRN 95773-74-3

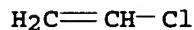
CMF C19 H45 N O6 Si4



CM 2

CRN 75-01-4

CMF C2 H3 Cl



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